

Figure 1A

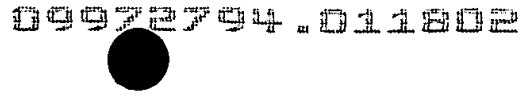


Figure 1B

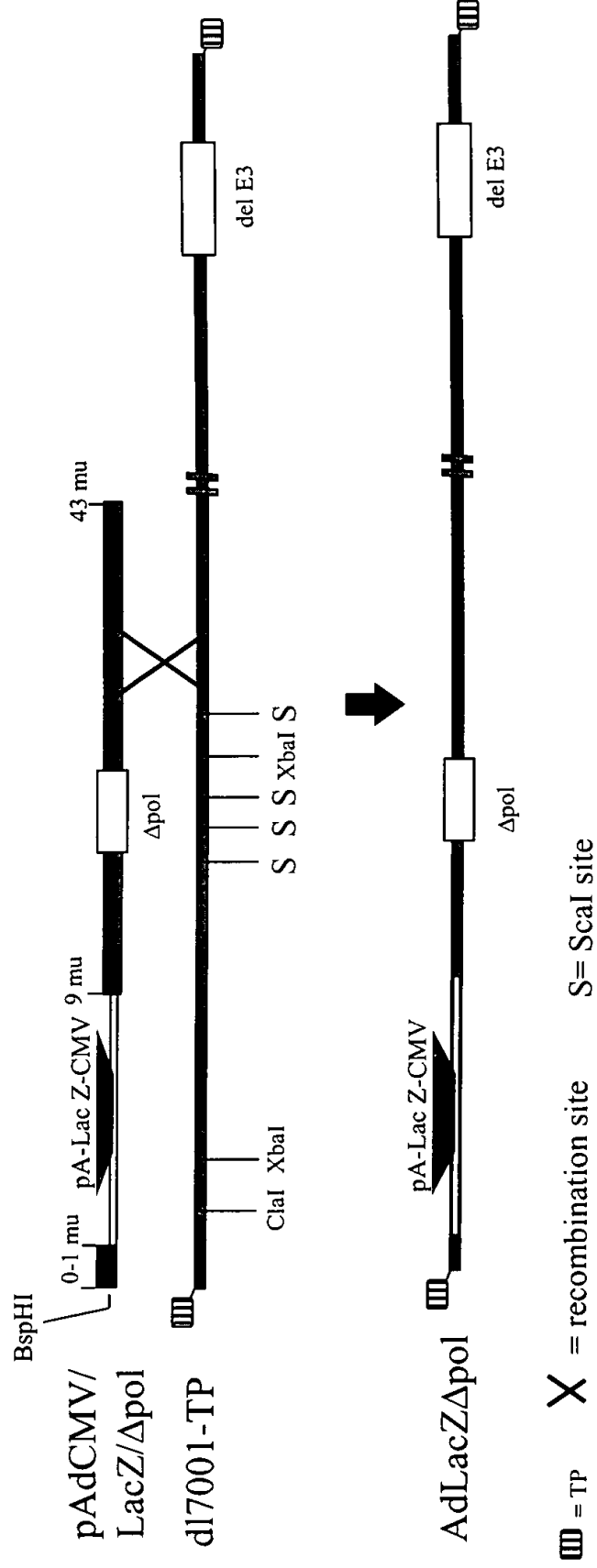


Figure 1C

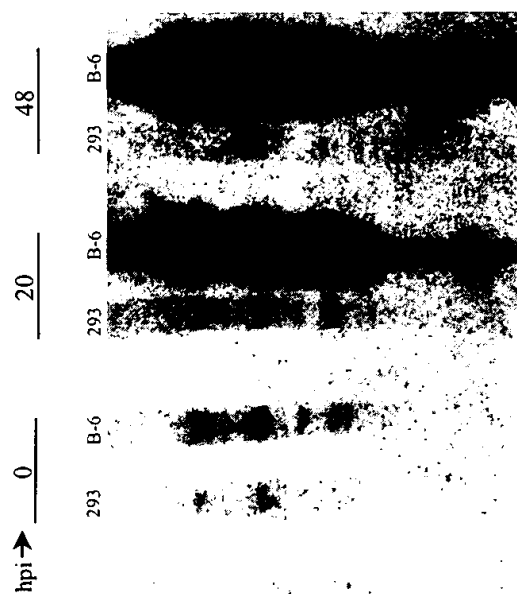


Figure 2

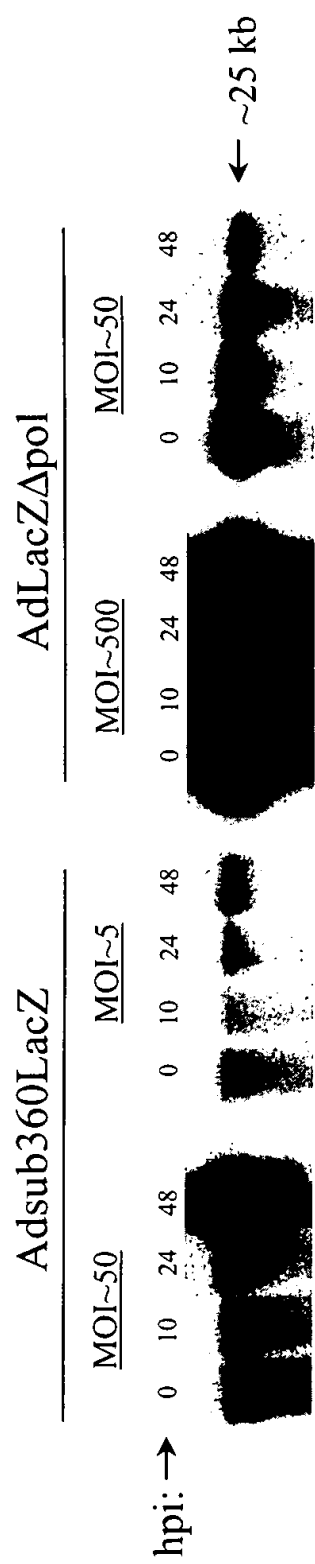


Figure 3



Figure 4

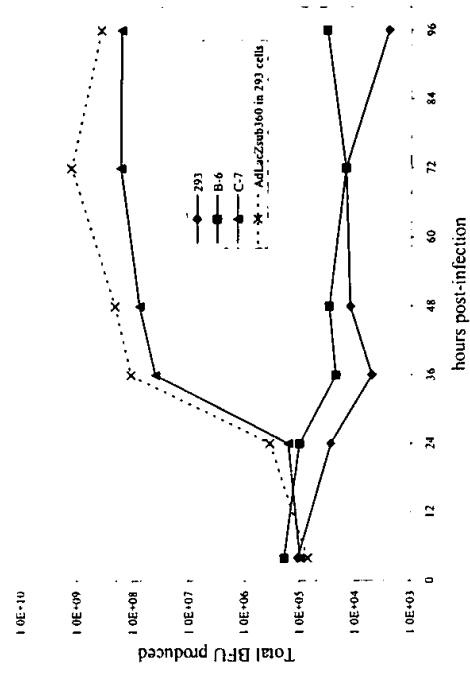


Figure 5

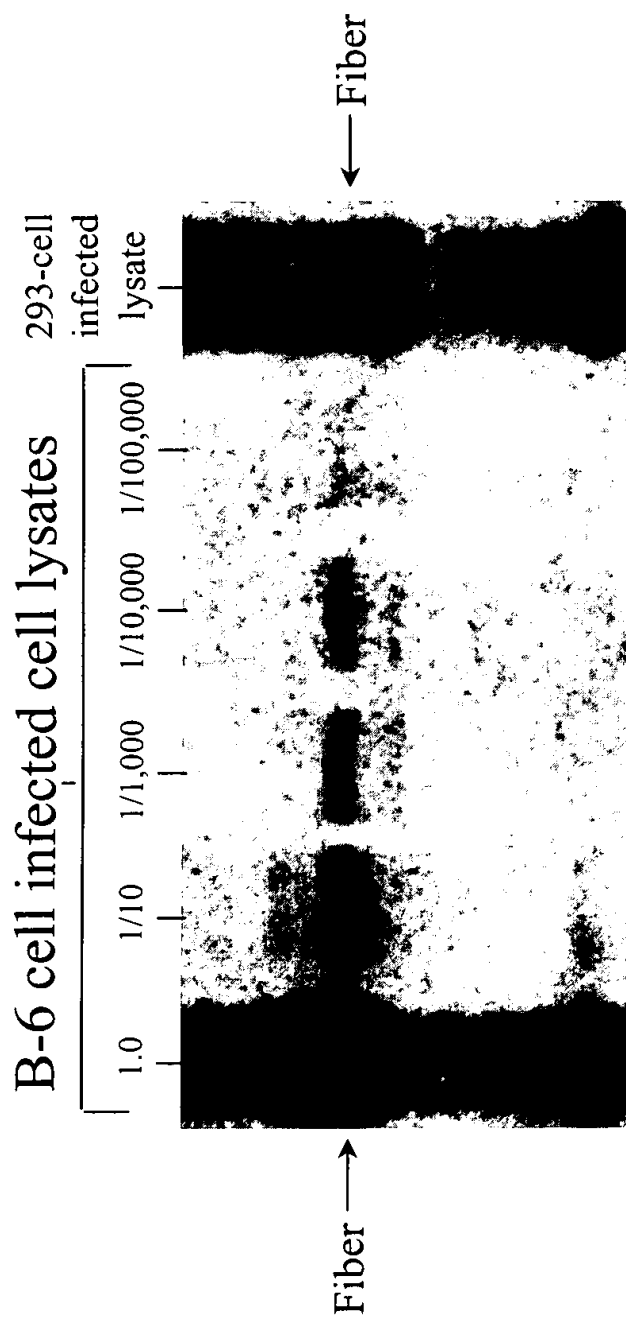


Figure 6





Figure 7

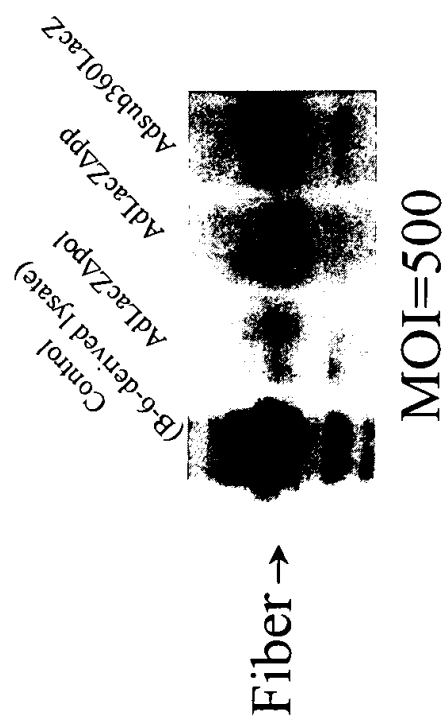


Figure 8

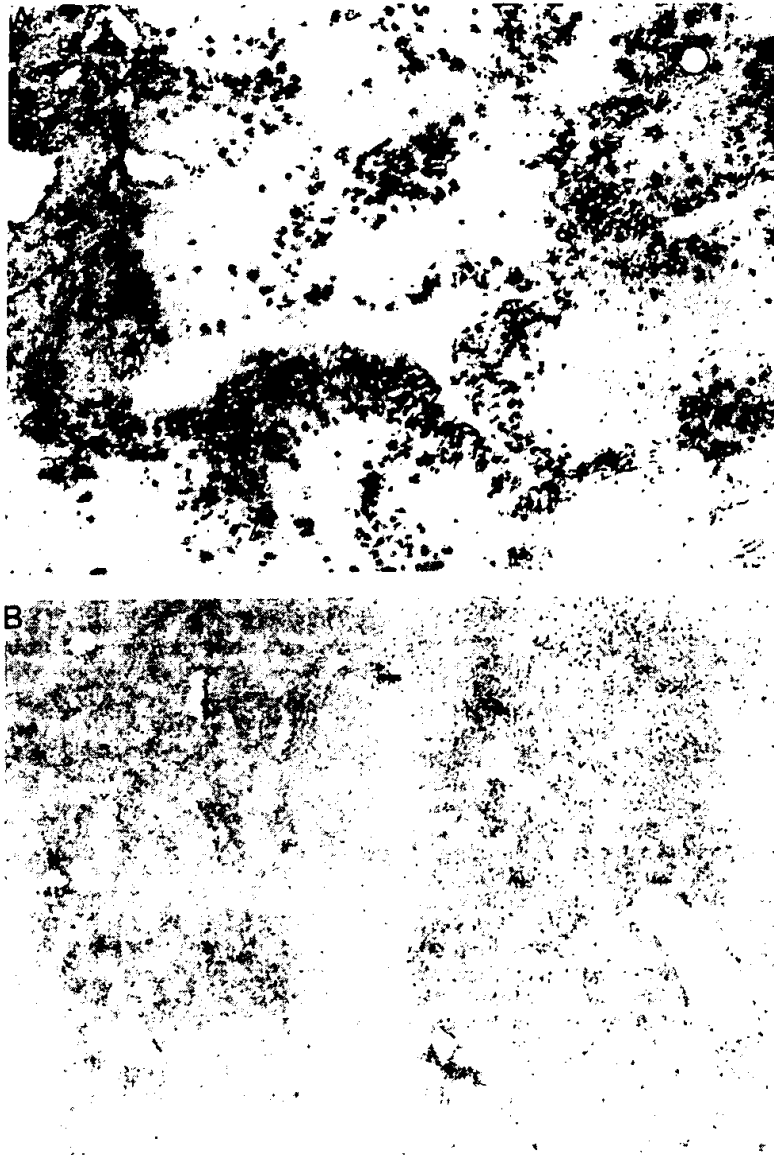


Figure 9

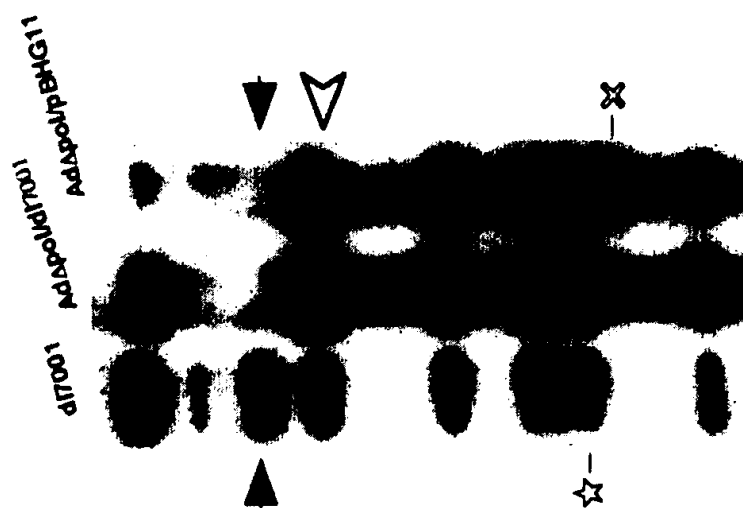


Figure 10

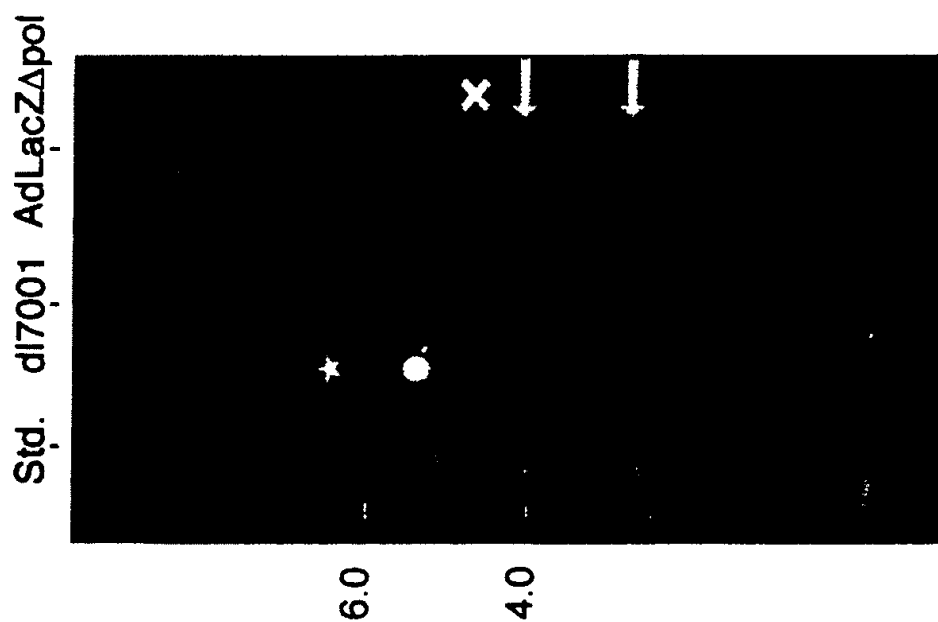


Figure 11

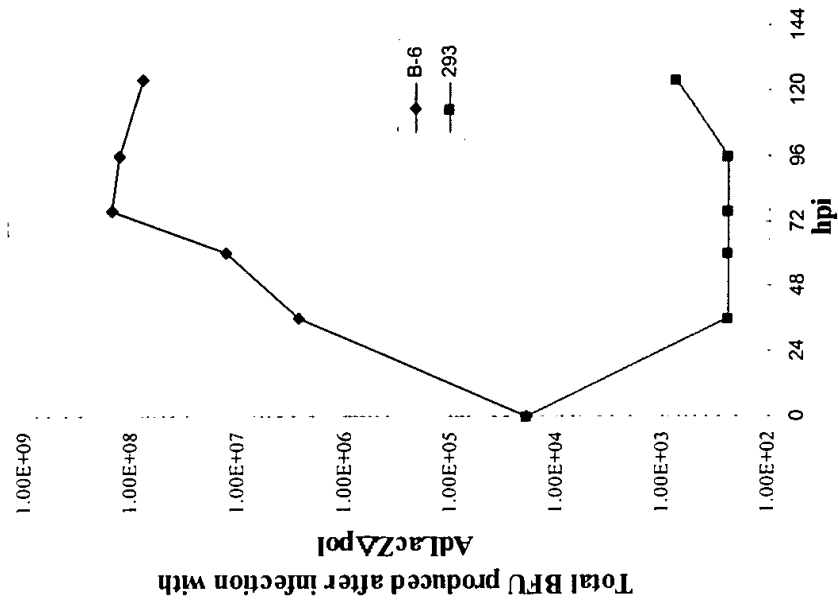


Figure 12

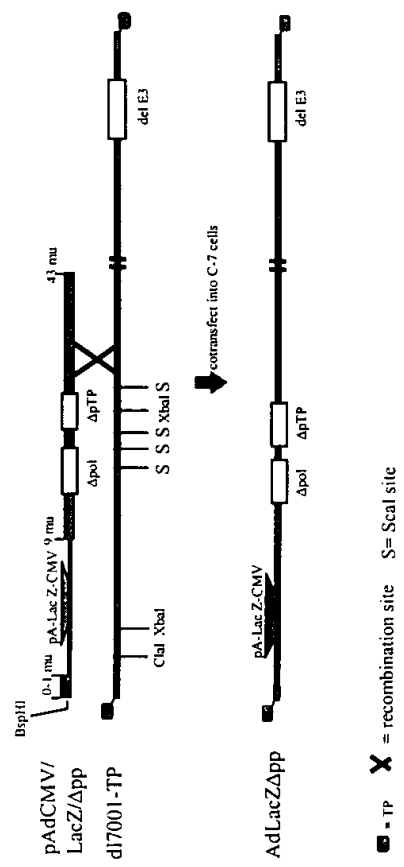
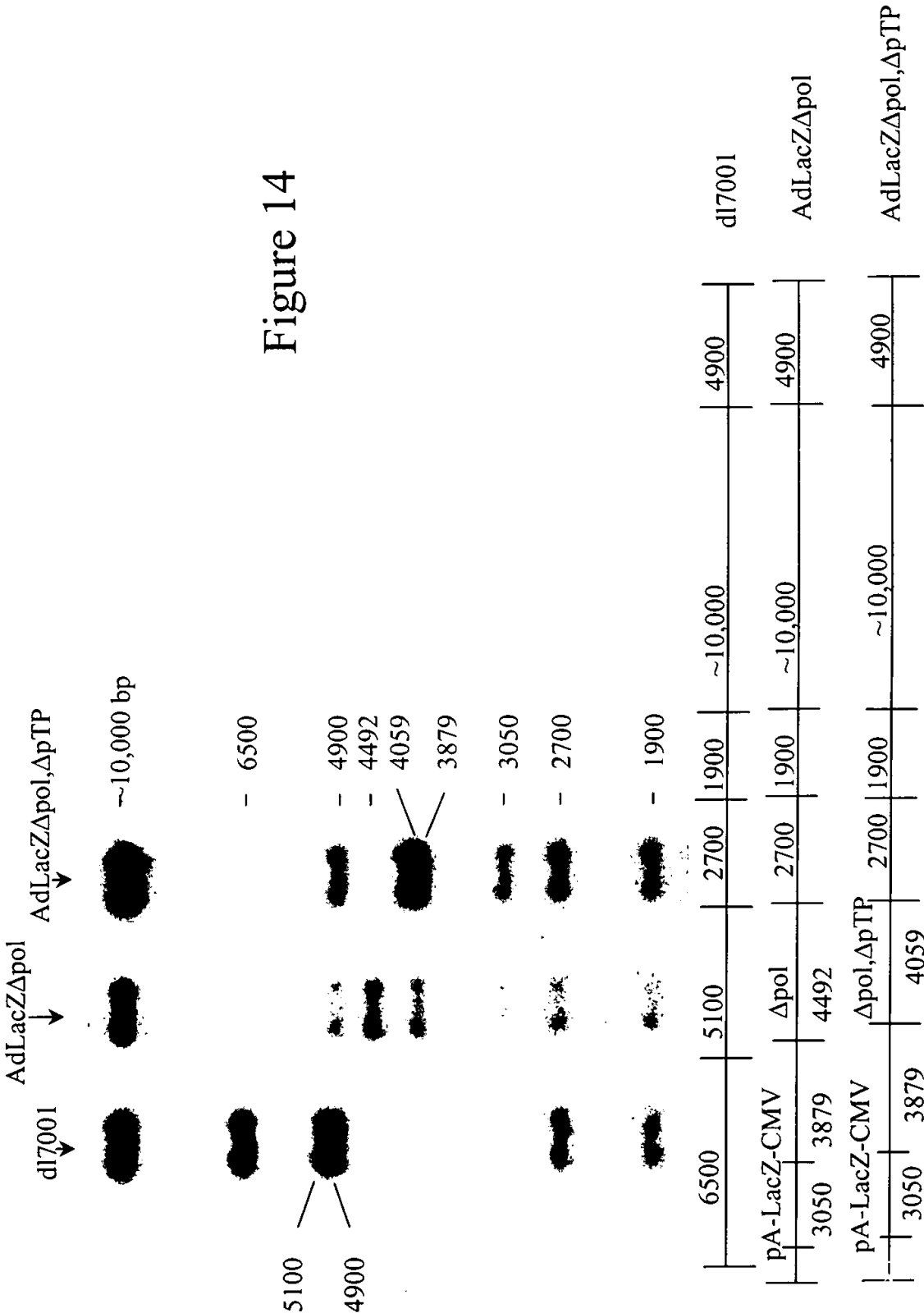


Figure 13





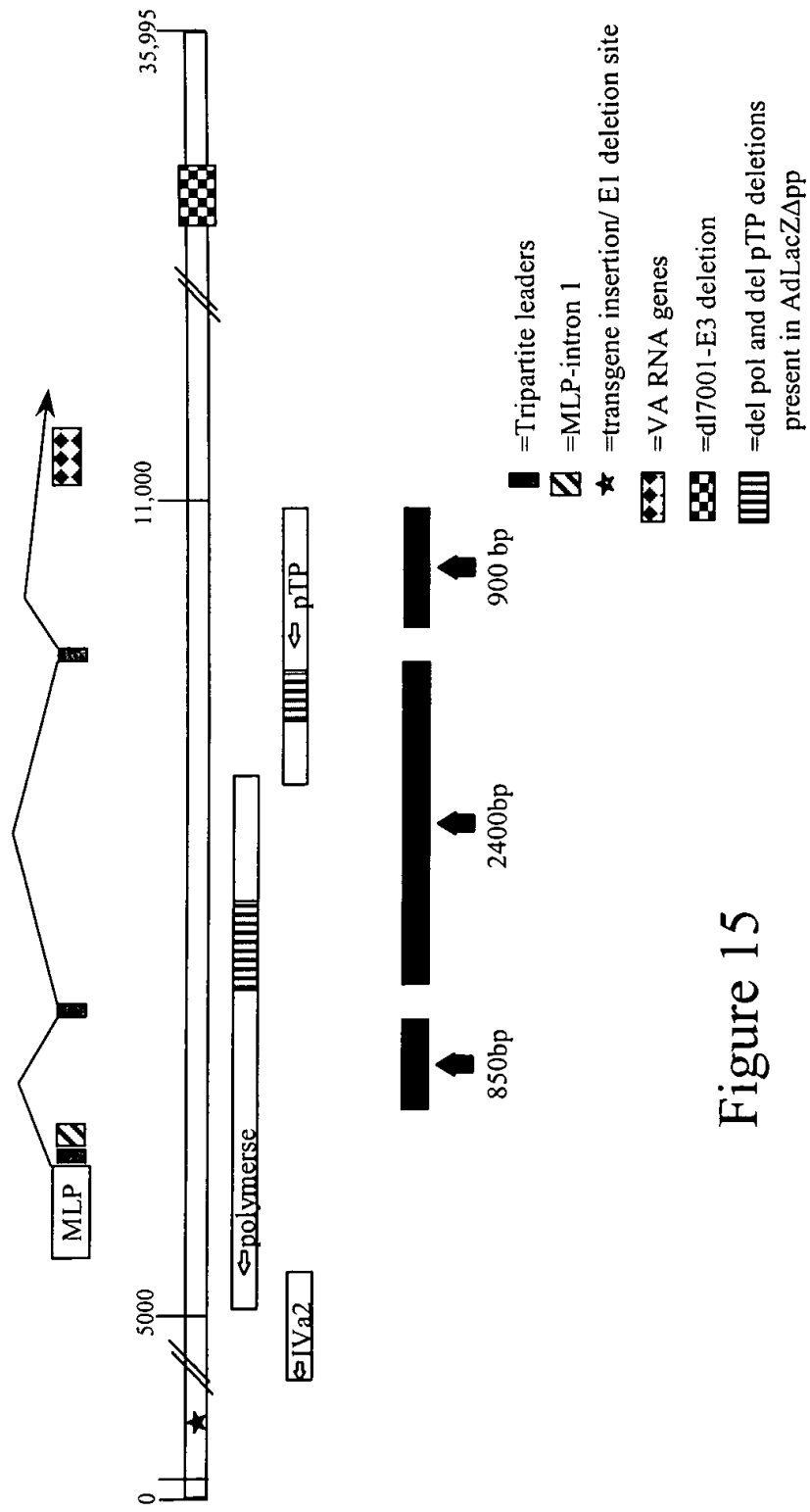


Figure 15

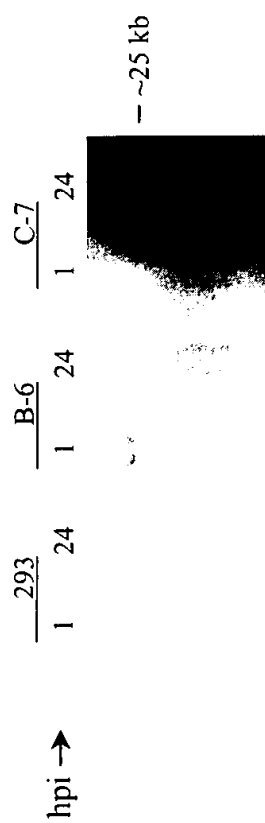


Figure 16



Figure 17

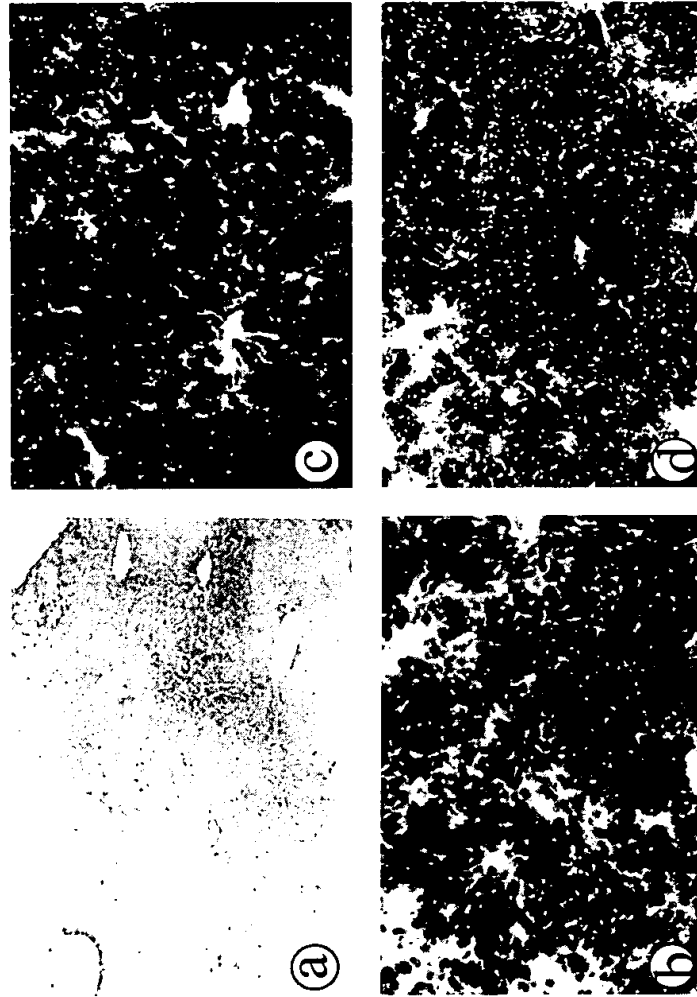
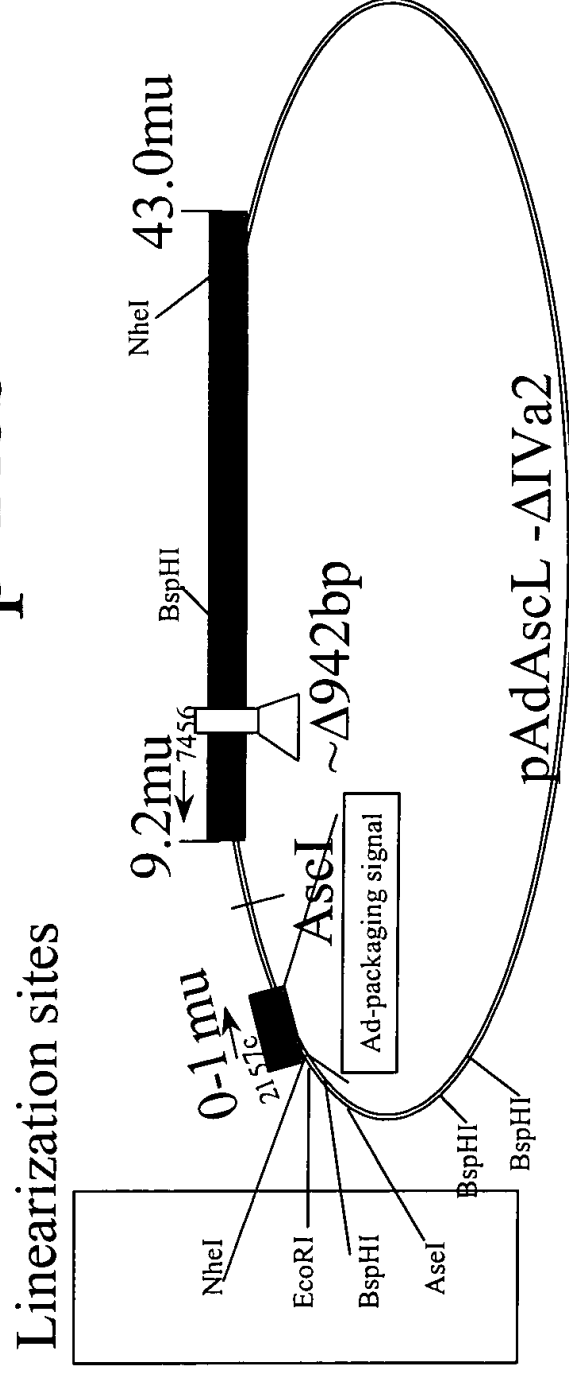


Figure 18

# pAdAscl-ΔIVa2 shuttle plasmid(~14.2kb)

Amp-Res



← primer site location of indicated primer

Figure 19

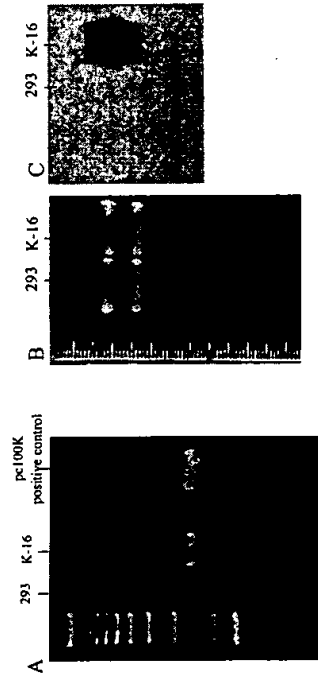
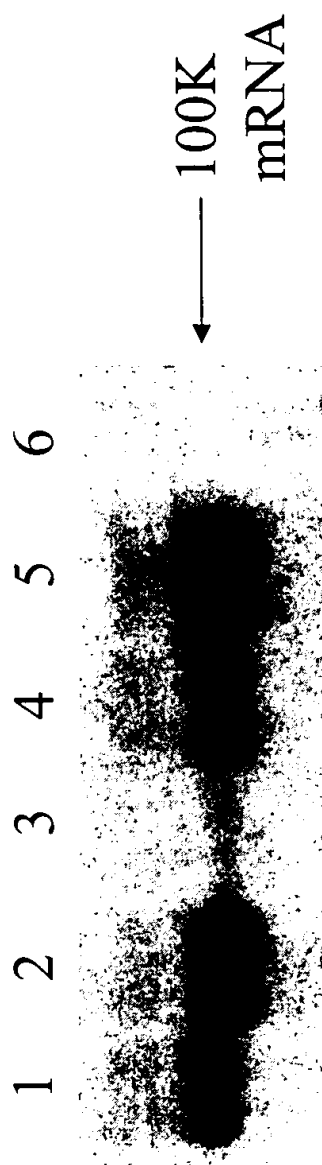


Figure 20



E1+pol+pTP+IVa2+100K= Lanes 1-4

E1+100K=Lane 5

E1= Lane 6

Figure 21

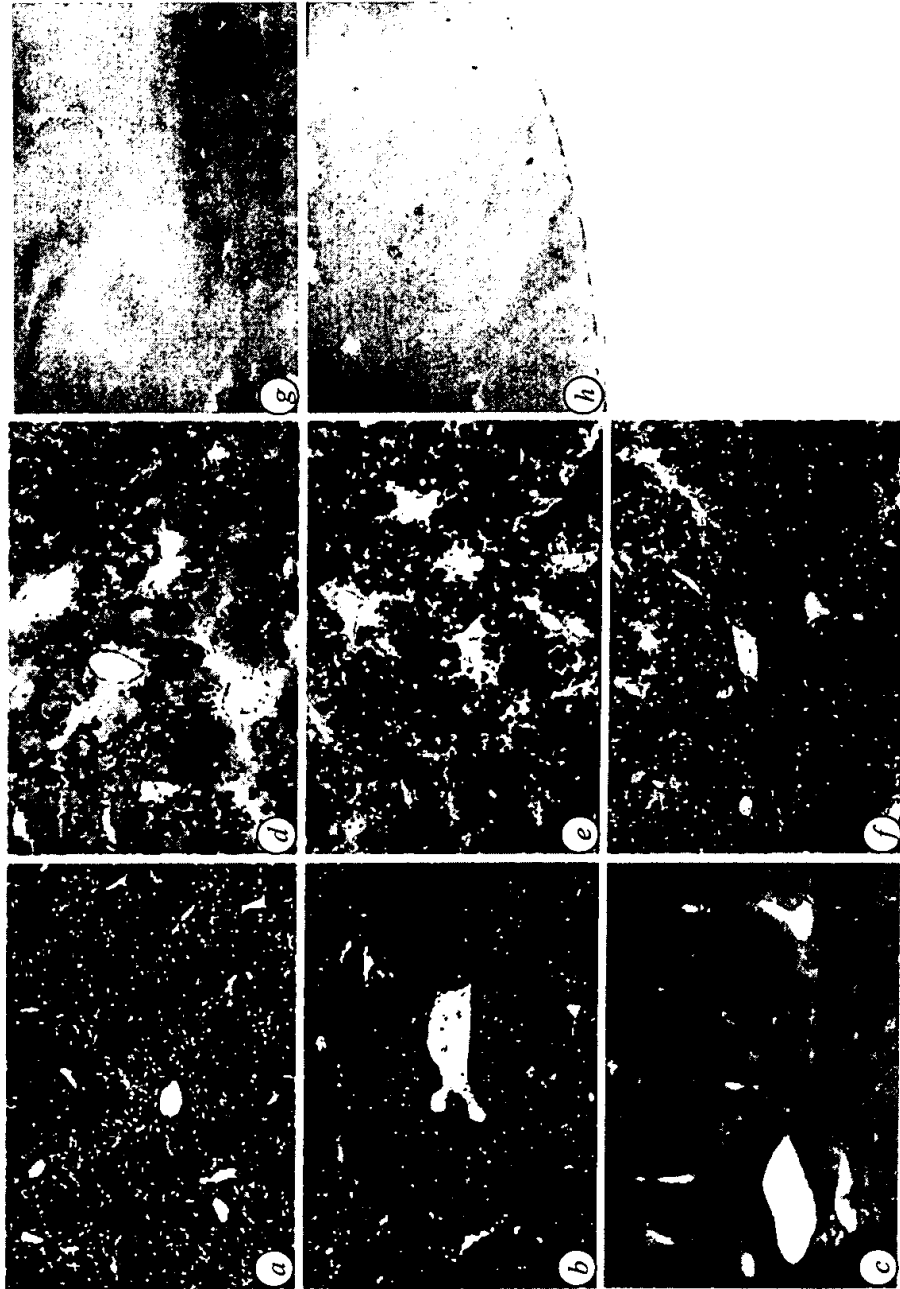
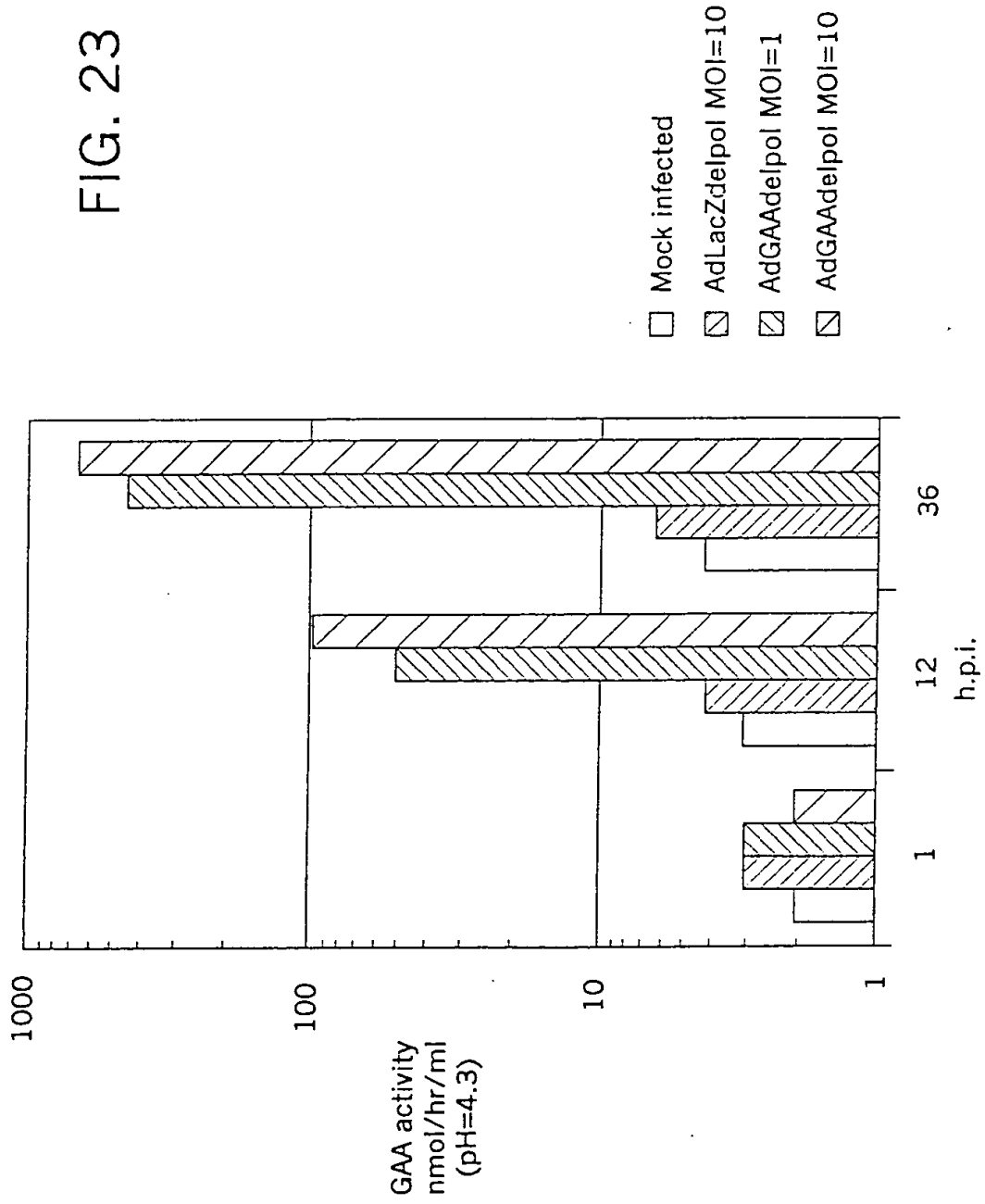


Figure 22



FIG. 23



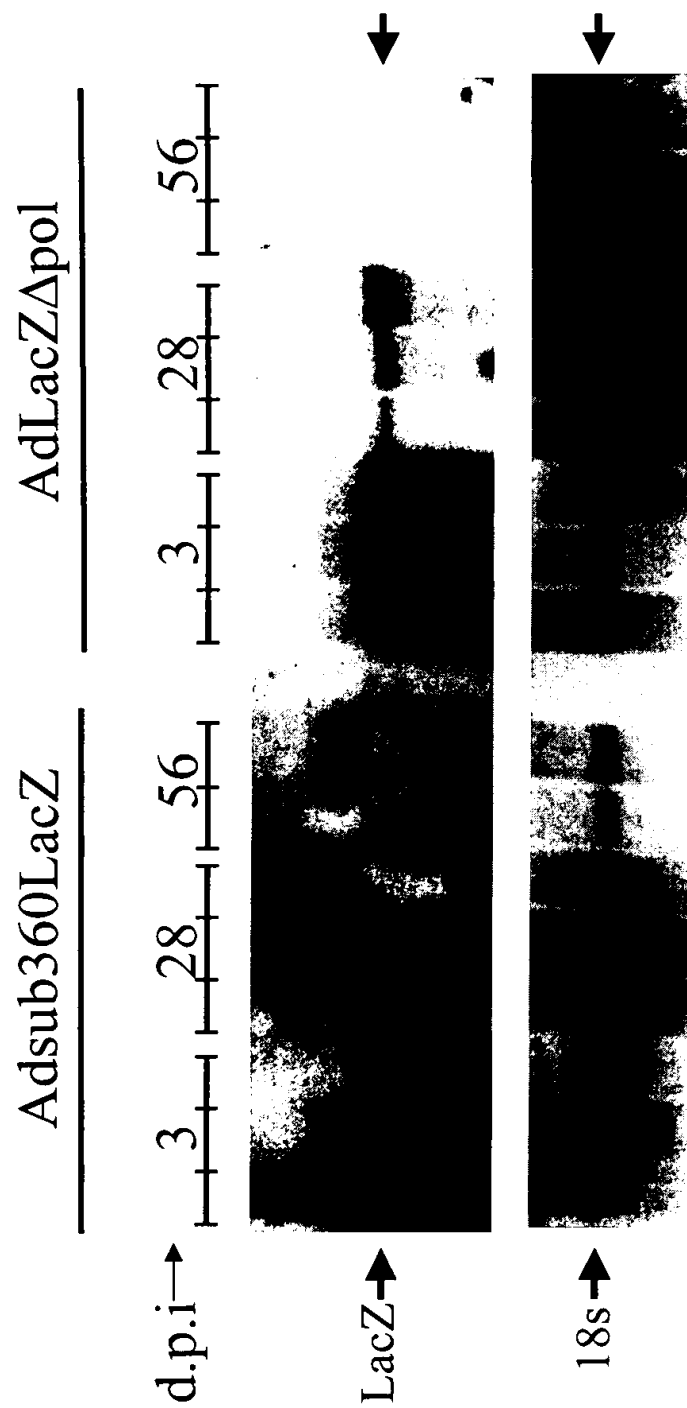


Figure 24

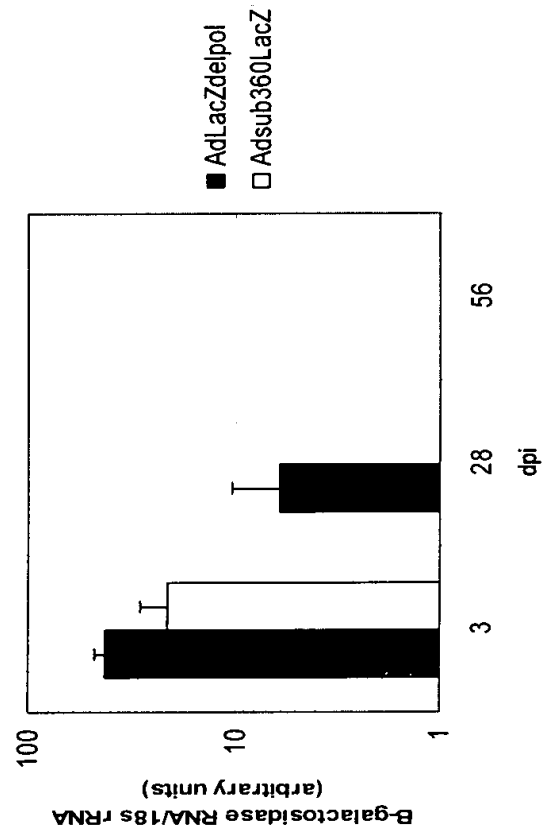


Figure 25

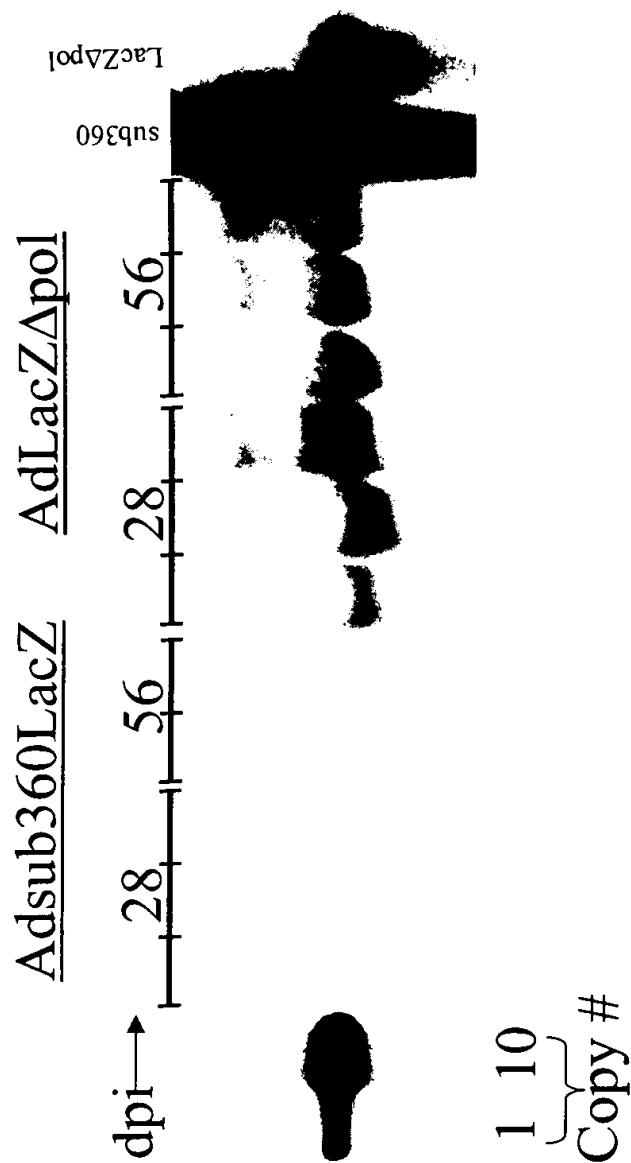


Figure 26

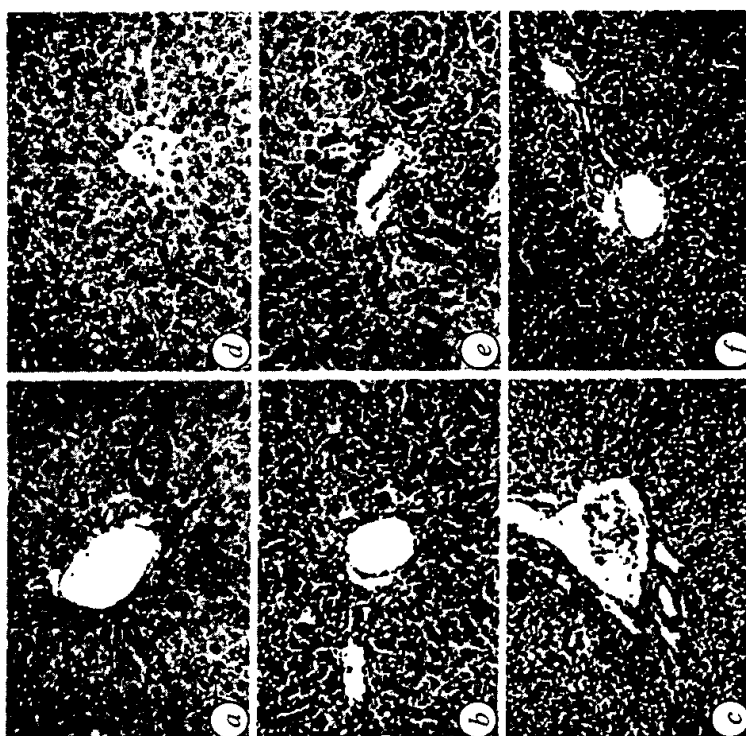


Figure 27

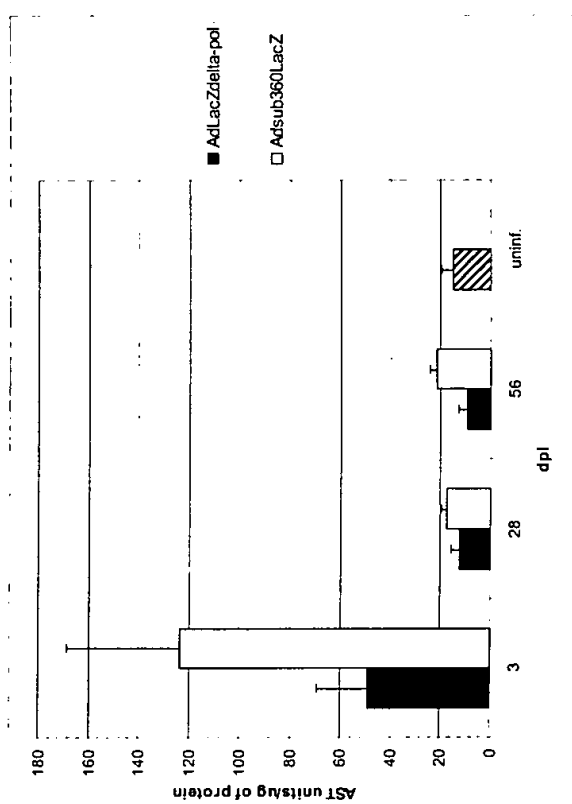


Figure 28

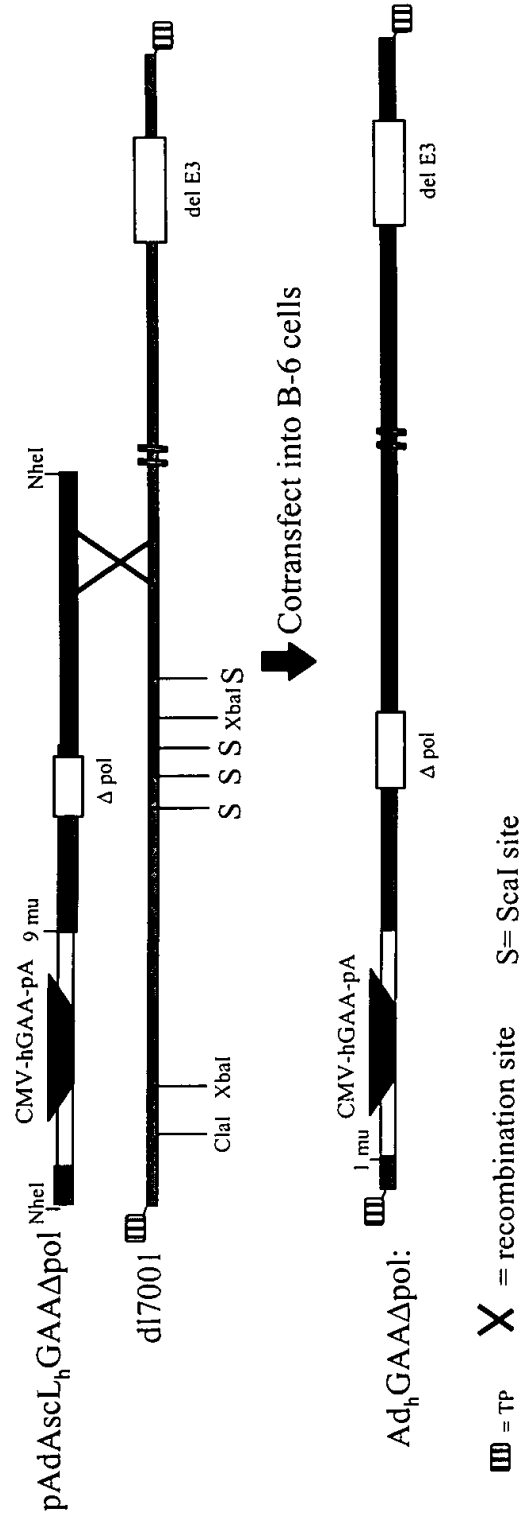


Figure 29

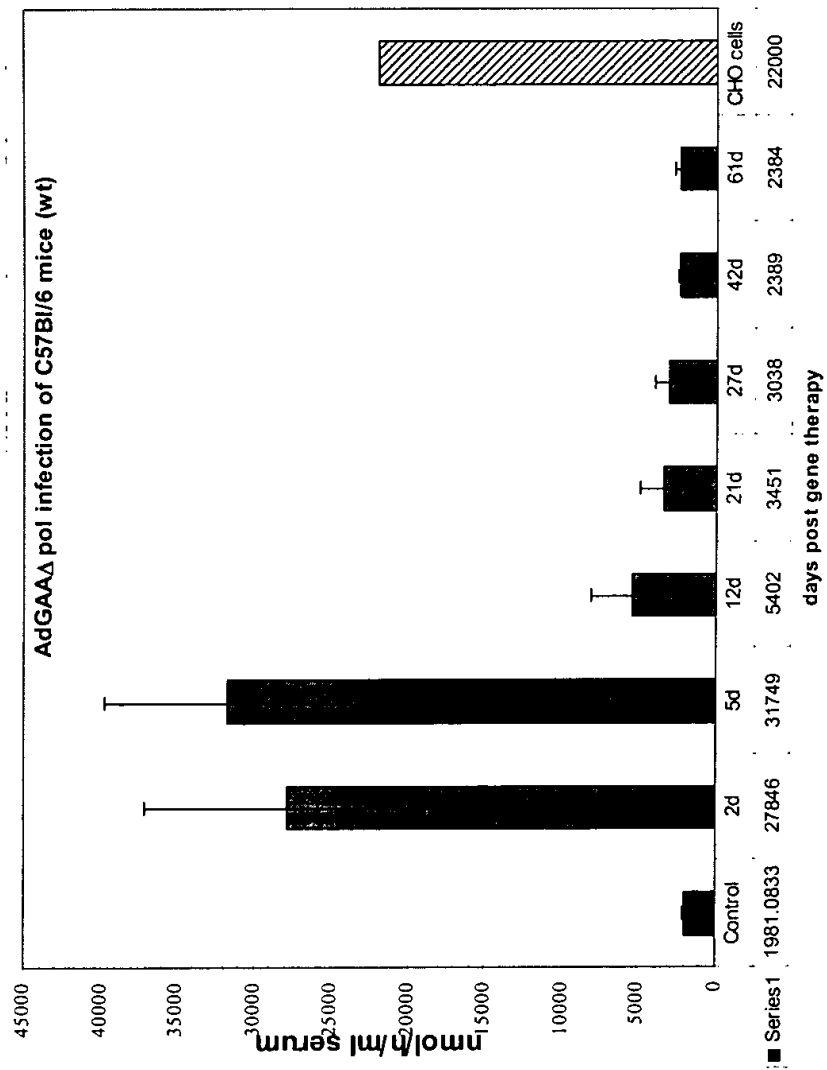


Figure 31



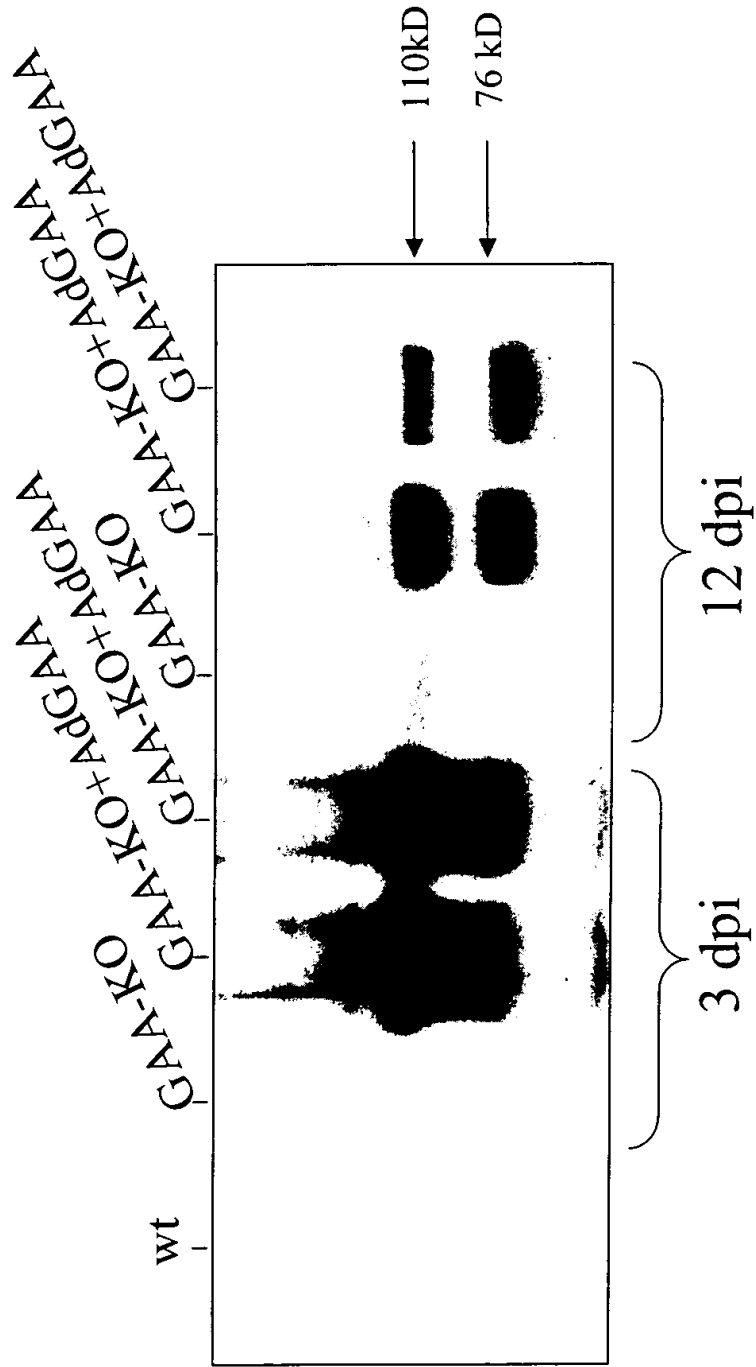


Figure 32

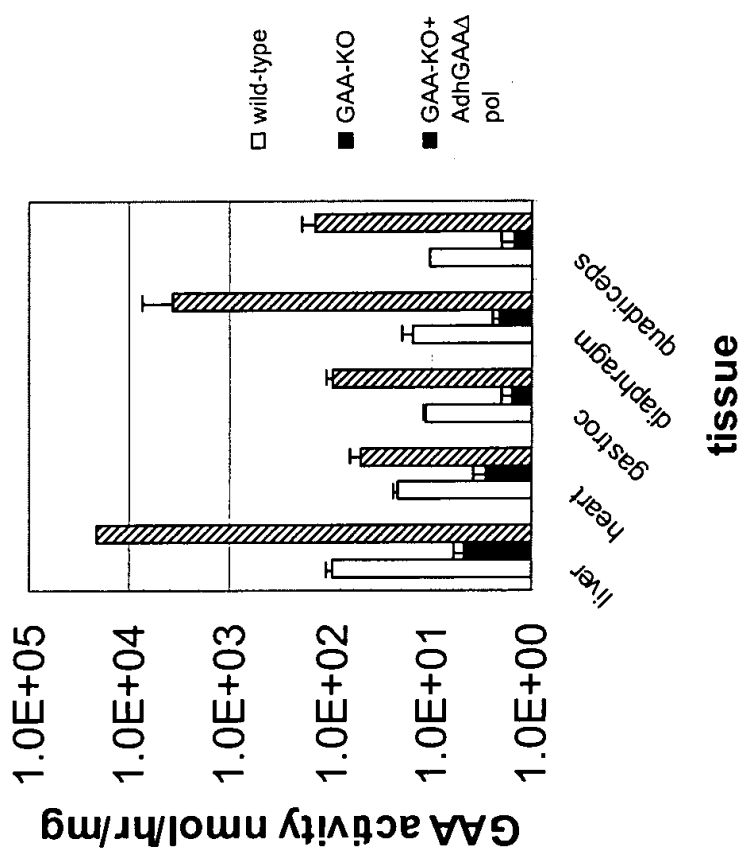


Figure 33

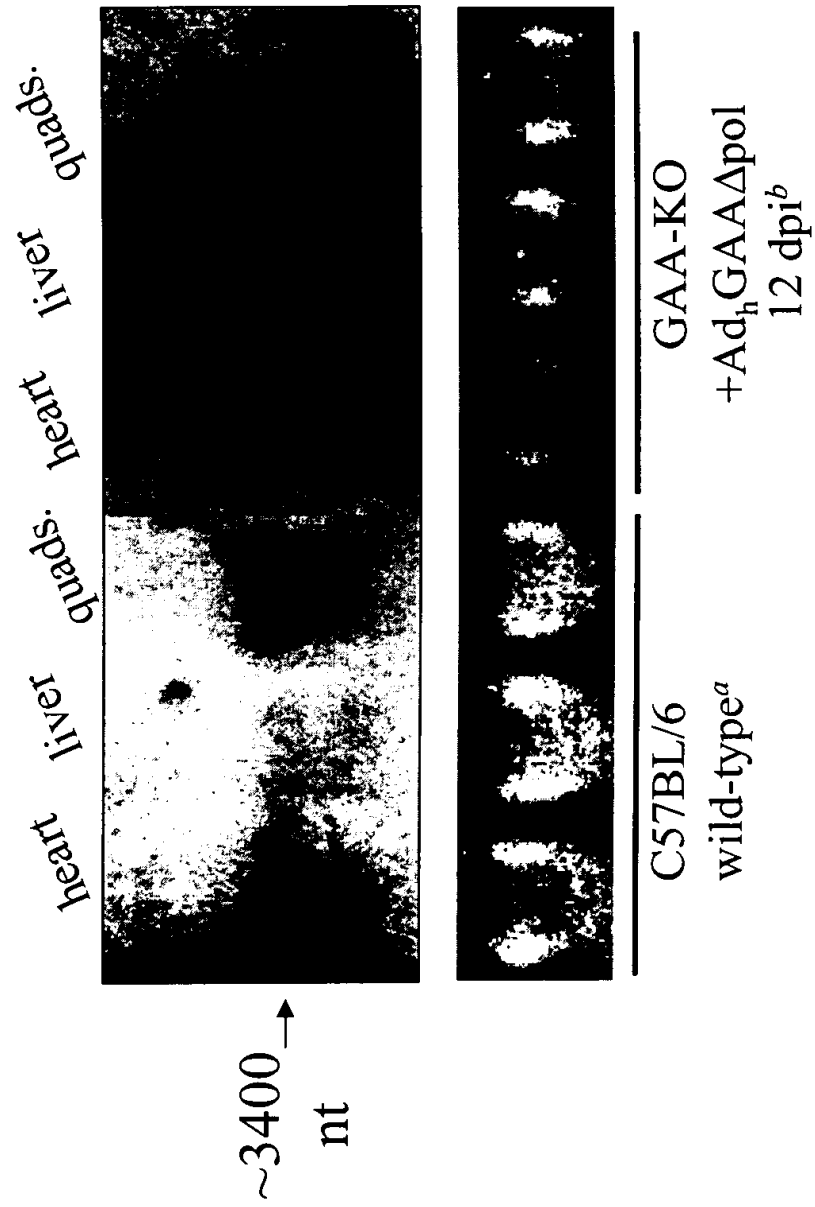
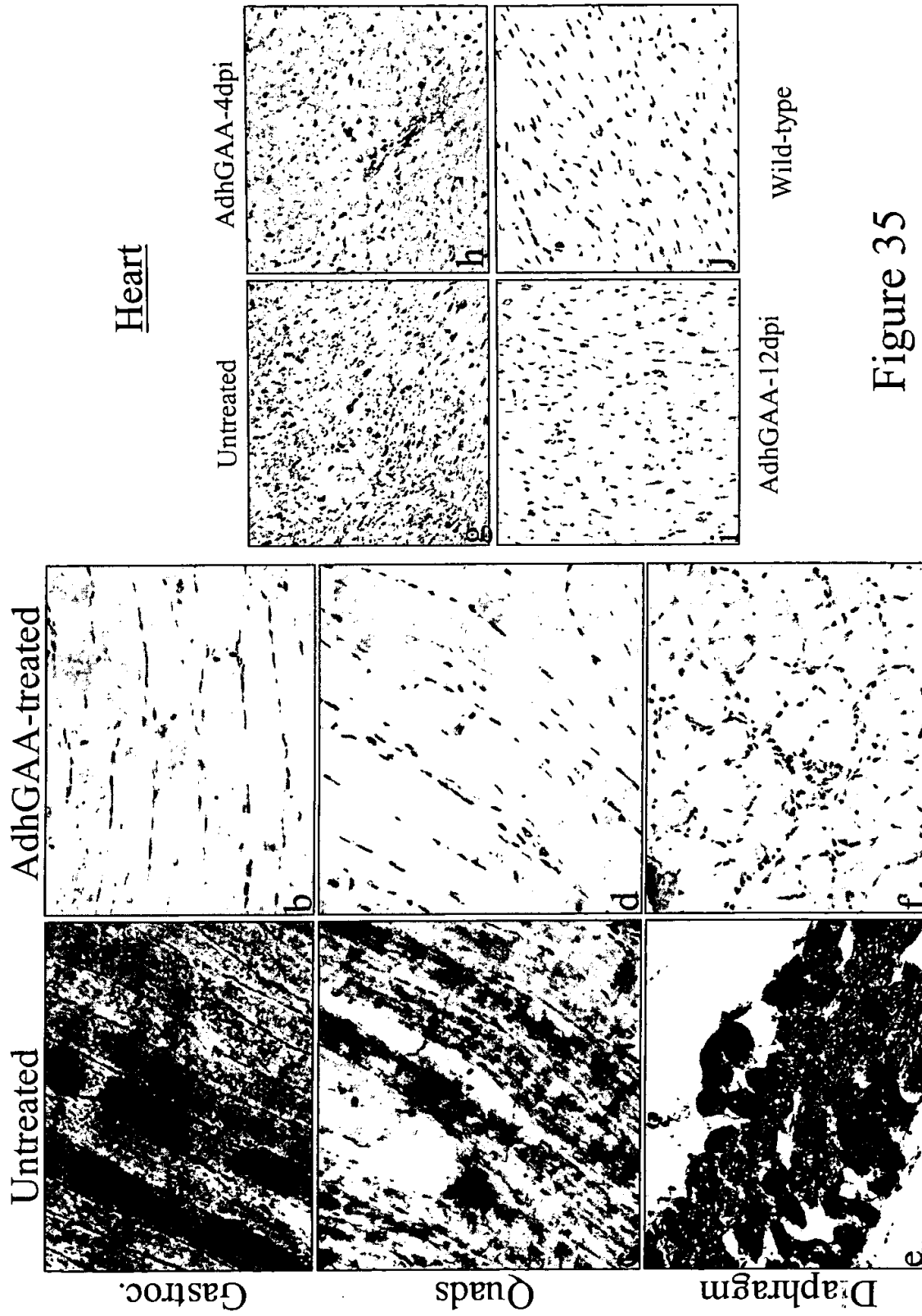


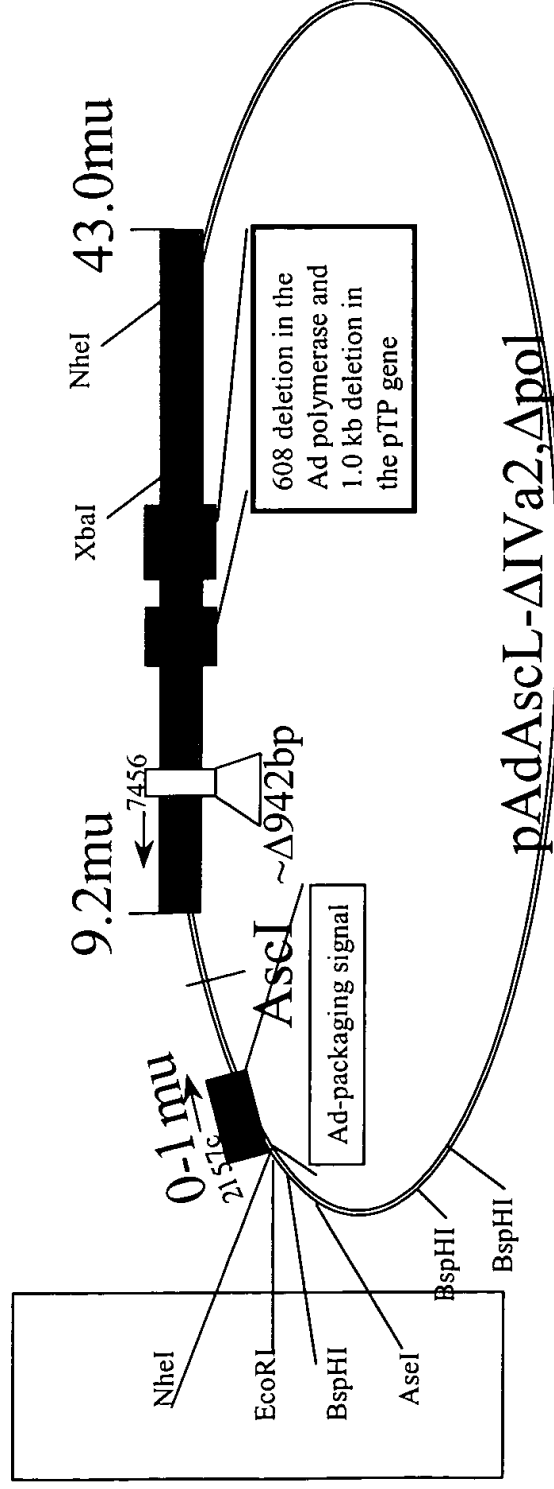
Figure 34



pAdAscl-ΔIVa2,Δpp-  
1.6kb:intermediate shuttle  
plasmid(~12.6kb)

# Amp-Res

## Linearization sites



← primer site location of indicated primer

Figure 36

# pAdAscl- $\Delta$ IVa2, $\Delta$ App-2.4kb shuttle plasmid( $\sim$ 11.8kb)

Amp-Res

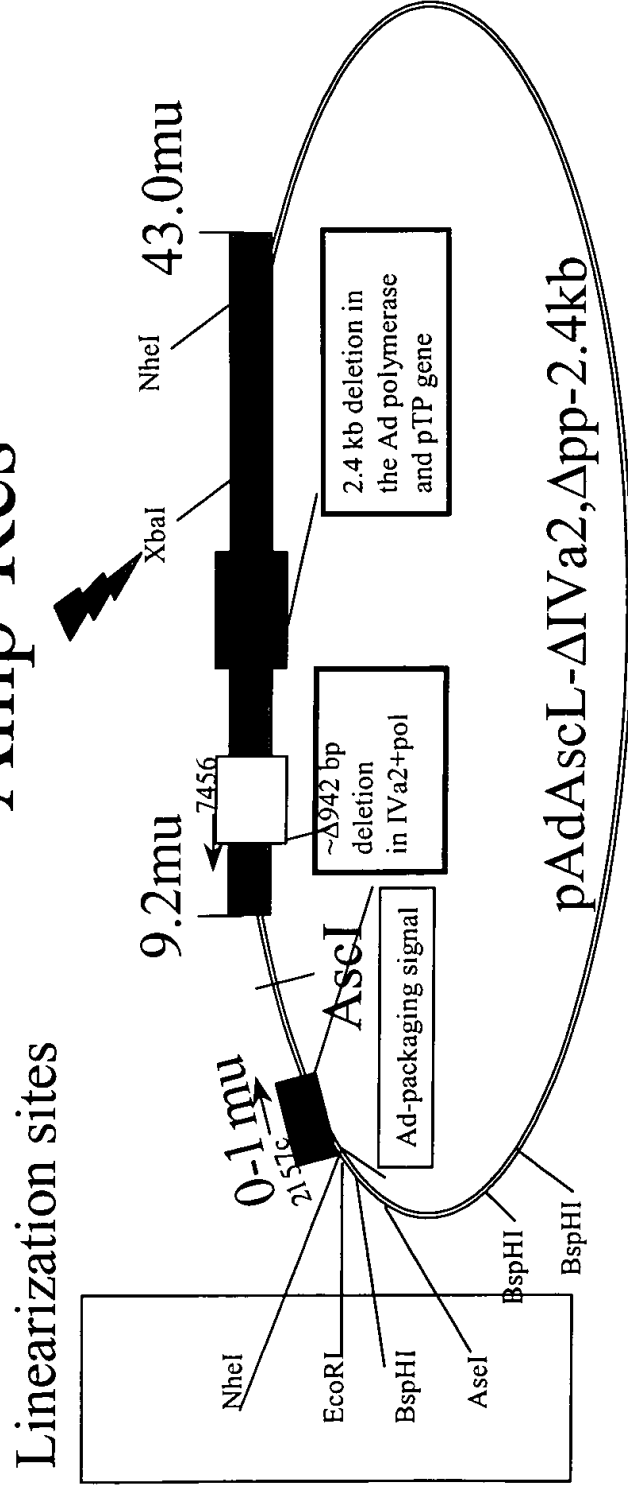
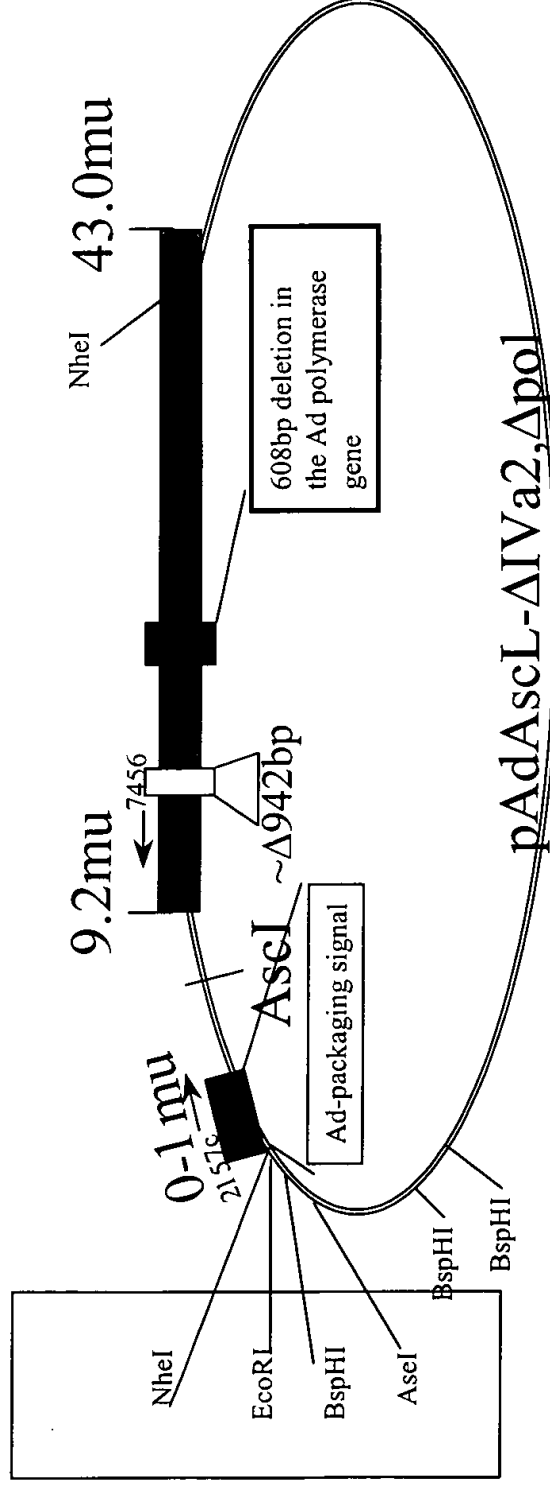


Figure 37

# pAdAscl- $\Delta$ IVa2, $\Delta$ pol shuttle plasmid( $\sim$ 13.6kb)

Amp-Res

Linearization sites



← primer site location of indicated primer

Figure 38